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Location (Bldg/Room#): 2009 ✓

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Scientific and Technical Information Center

SEARCH REQUEST FORM

Date: 6-18-02 Requester's Full Name: Allen Y. Robinson Examiner #: 61319
Art Unit: 1616 Phone (308) 4524 Serial Number: 09/886,197
Results Format Preferred (circle): PAPER DISK E-MAIL

To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

Title of Invention: Agents for preserving technical materials against insects

Inventors (please provide full names): Shinichi Tsuboi, Shingeburu Sone,
Toru Obinata, Otto Exner, Michael Schwaborn

Earliest Priority Date: 4/27/99 (1991)

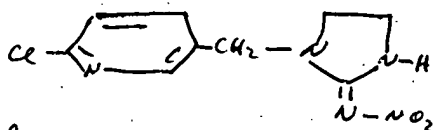
Search Topic:

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known.

For Sequence Searches Only Please include all pertinent information (parent, grandchild, divisional, or issued patent numbers) along with the appropriate serial number.

Combination of

① 1-(6-chloro-3-pyridylmethyl)-2-nitroimino-imidazolidine



imidazolidine

and

(2) Tebuconazole

Edward Han
Technical Info. Specialist
STIC/Biotech
CMI 6B02 Tel: 305-9203

STAFF USE ONLY

Searcher: _____

Searcher Phone #: _____

Searcher Location: _____

Date Searcher Picked Up: 6/19/02

Date Completed: 6/19/02

Searcher Prep & Review Time: _____

Online Time: _____

Type of Search

____ NA Sequence (#)

____ AA Sequence (#)

____ Structure (#)

____ Bibliographic

____ Litigation

____ Fulltext

____ Other

Vendors and Cost

____ STN _____ Dialog

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____ Lexis/Nexis _____ Westlaw

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____ In-house sequence systems (list)

____ Other (specify)

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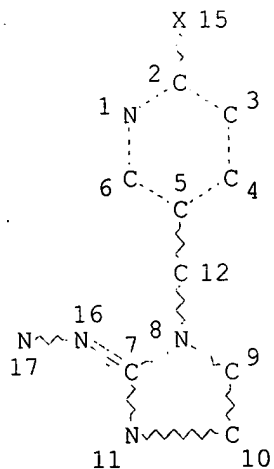
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FILE COVERS 1907 - 19 Jun 2002 VOL 136 ISS 25
 FILE LAST UPDATED: 17 Jun 2002 (20020617/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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 L1 STR



NODE ATTRIBUTES:
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 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 15

STEREO ATTRIBUTES: NONE
 L3 511 SEA FILE=REGISTRY SSS FUL L1
 L4 21 SEA FILE=REGISTRY ABB=ON PLU=ON TEBUCONAZOLE/BI

L5 1046 SEA FILE=HCAPLUS ABB=ON PLU=ON L3
 L6 753 SEA FILE=HCAPLUS ABB=ON PLU=ON L4 OR TEBUCONAZOLE
 L7 29 SEA FILE=HCAPLUS ABB=ON PLU=ON L5 AND L6

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L7 ANSWER 1 OF 29 HCAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2002:368234 HCAPLUS
 DOCUMENT NUMBER: 136:381765
 TITLE: Synergistic pesticidal compositions comprising
 N-cyanomethyl-4-(trifluoromethyl)nicotinamide
 INVENTOR(S): Angst, Max; Rindlisbacher, Alfred; Maienfisch, Peter
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
 SOURCE: PCT Int. Appl., 30 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002037964	A1	20020516	WO 2001-EP12947	20011108
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: CH 2000-2189 A 20001110

AB Synergistic compns. for controlling insects or representatives of the order Acarina comprise a combination of variable quantities of N-Cyanomethyl-4-trifluoromethyl-3-pyridinecarboxamide (IKI-220) in free form or in salt form, if appropriate tautomers, in free form or in salt form, and one or more of the compds., such as, for example: abamectin, azamethiphos, bromopropylate, chlorfenvinphos, cypermethrin, cypermethrin high-cis, cyromazin, diafenthiuron, diazinon, dicotophos, dicyclanil, emamectin, fenoxycarb, lufenuron, methidathion, monocrotophos, profenofos, pymetrozine, tau-fluvalinate, thiamethoxam, azoxystrobin, bensultap, chlorothalonil, fenpyroximate, fluazinam, flufenprox, flutriafol, lambda-cyhalothrin, phosmet, picoxystrobin, primicarb, pyridaben, tefluthrin, etc. The compns. are used for controlling pests by applying to the pests or their environment, or for protecting plant propagation material, wherein the propagation material or the site of application of the propagation material is treated.

IT 425384-85-6, Imidacloprid-IKI 220 mixt.

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
 (synergistic pesticidal compns. comprising)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 29 HCAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2002:353222 HCAPLUS
 DOCUMENT NUMBER: 136:351654
 TITLE: Polymeric pest control sheet containing pesticides

INVENTOR(S): Barazani, Avner
 PATENT ASSIGNEE(S): Makhteshim Chemical Works Ltd., Israel
 SOURCE: PCT Int. Appl., 21 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002035930	A2	20020510	WO 2001-IL1014	20011101
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: IL 2000-139388 A 20001101

AB A sheet for pest control is made of polymeric material and comprises at least two layers; a top layer and a bottom layer, wherein the bottom layer contains a herbicide and one or more pesticides selected from among fungicides and insecticides, and the top layer optionally contains an insecticide and/or fungicide. Other aspects of the invention include a polymeric compn. used in the prepn. of the sheets and a method for pest control in agriculture, horticulture and gardens.

IT 107534-96-3, Tebuconazole 138261-41-3,
 Imidacloprid

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
 (polymeric pest control sheet contg.)

L7 ANSWER 3 OF 29 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:339960 HCAPLUS

DOCUMENT NUMBER: 136:320817

TITLE: Rare-earth water-retaining composite seed-coating agent

INVENTOR(S): Miao, Xifu; Wang, Guoqiang; Li, Jiehuang

PATENT ASSIGNEE(S): Zhongtian Technology Innovation Engineering Co., Ltd.,
 Ningxia, Peop. Rep. China

SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 5 pp.
 CODEN: CNXXEV

DOCUMENT TYPE: Patent

LANGUAGE: Chinese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1310944	A	20010905	CN 2000-102141	20000301

AB The title seed-coating agent is composed of RE polymer, wide-spectrum systemic insecticide, bactericide, fertilizer, trace element, RE complex and adjuvant. The insecticide is selected from one or more of carbofuran, carbosulfan, tefluthrin, lindane etc.; the bactericide from one or more of thiram, triadimenol, carbendazim, amicarbazol, etc.; the plant growth regulator from fulvic acid, RE complex, daminozide, ethephon, mepiquat chloride, gibberellic acid, paclobutrazol, triacontanol, etc. The product

is prepd. by pulverizing, and magnetizing.
 IT **107534-96-3, Tebuconazole 138261-41-3,**
 Imidacloprid
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (rare-earth water-retaining composite seed-coating agent)

L7 ANSWER 4 OF 29 HCAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2002:314713 HCAPLUS
 DOCUMENT NUMBER: 136:320790
 TITLE: Peracetic acid-hydrogen peroxide-water combination as
 a bactericide for agricultural pesticides suspensions
 INVENTOR(S): Eagles, Karen L.; Edson, Donald W.; Park, Kevin;
 Rogers, John G.; Brandriff, John W.; Slahck, Stephen
 C.
 PATENT ASSIGNEE(S): Bayer Corporation, USA
 SOURCE: PCT Int. Appl., 13 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002032228	A2	20020425	WO 2001-US32272	20011016
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: US 2000-690781 A 20001017

AB The present invention relates to a process for inhibiting or eliminating
 the growth of microorganisms in pesticide suspensions. More particularly,
 the process of the present invention includes the addn. of a combination
 of peracetic acid, hydrogen peroxide, and water to the pesticide
 suspension. Further, the process of the present invention includes the
 application of the peracetic acid, hydrogen peroxide, and water
 combination to the interior surface of the vessel in which the pesticide
 suspension is contained. Still further, the process of the present
 invention includes the application of the peracetic acid, hydrogen
 peroxide, and water combination to a surface in which the pesticide
 suspension is in contact.

IT **107534-96-3, Tebuconazole**
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL
 (Biological study); USES (Uses)
 (peracetic acid-hydrogen peroxide-water combination as bactericide for
 fungicidal suspension of)

IT **138261-41-3**
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL
 (Biological study); USES (Uses)
 (peracetic acid-hydrogen peroxide-water combination as bactericide for
 insecticidal suspension of)

L7 ANSWER 5 OF 29 HCAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:861996 HCAPLUS
 DOCUMENT NUMBER: 136:146495

TITLE: Impact of pesticide seed treatments on aphid control and yield of wheat in the Sudan
 AUTHOR(S): Ahmed, N. E.; Kanan, H. O.; Inanaga, S.; Ma, Y. Q.; Sugimoto, Y.
 CORPORATE SOURCE: Arid Land Research Center, Tottori University, Tottori, 680-0001, Japan
 SOURCE: Crop Protection (2001), 20(10), 929-934
 CODEN: CRPTD6; ISSN: 0261-2194
 PUBLISHER: Elsevier Science Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English

AB Mixts. of imidacloprid and **tebuconazole**, were evaluated for three consecutive growing seasons, to det. the effects on plant stand, aphid control and wheat grain yield. At rates of 1.05/0.04 and 0.7/0.04 g of pesticide, resp., per kg of seeds, plant stand per unit area increased compared with their resp. untreated control. Both rates of imidacloprid efficiently controlled the maize aphid (*Melanaphis maidis*) and suppressed the green bug (*Schizaphis graminum*) for 6-8 wk after sowing. There were substantial differences among the different treatments in the no. of grains/ear and the 1000-grain wt. These differences were reflected in 90% and 30% av. increase in the total grain yield of the wheat crop raised from seeds treated with the mixt. relative to the corresponding untreated control and a std. mixt. of lindane plus thiram, resp. This strategy of using imidacloprid as seed dressing allowed easy application, gave adequate reliable control of aphids and less hazardous to the environment.

IT 107534-96-3, **Tebuconazole** 138261-41-3,
 Imidacloprid

RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (pesticide seed treatment effect on aphid control and wheat yield in Sudan)

REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 6 OF 29 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:780351 HCAPLUS

DOCUMENT NUMBER: 135:299954

TITLE: Fungicidal compositions comprising methoxyiminoacetamide derivatives.

INVENTOR(S): Wachendorff-Neumann, Ulrike; Seitz, Thomas; Gayer, Herbert; Heinemann, Ulrich; Krueger, Bernd-Wieland; Kraemer, Wolfgang; Assmann, Lutz

PATENT ASSIGNEE(S): Bayer A.-G., Germany

SOURCE: Ger. Offen., 40 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10019758	A1	20011025	DE 2000-10019758	20000420
WO 2001080641	A2	20011101	WO 2001-EP4042	20010409
WO 2001080641	A3	20020328		

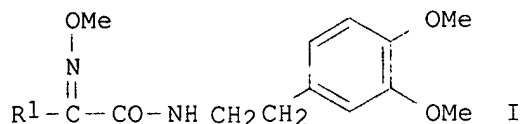
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2000-10019758 A 20000420

OTHER SOURCE(S): MARPAT 135:299954

GI



AB Fungicidal compns. comprise methoxyiminoacetamide derivs. I (R1 =
fluorine-, chlorine-, bromine-, Me-, Et-, Pr- iso-Pr-, Bu-, iso-Bu-,
tert-Bu-, methoxy-, ethoxy- or phenoxy-substituted or unsubstituted Ph,
2-naphthyl, 1,2,3,4-tetrahydronaphthyl, indanyl, 2-benzofuranyl,
2-benzothieryl, 2-thienyl or 2-furanyl) and any of known 58 fungicides.

IT **107534-96-3D, Tebuconazole**, mixts. with
methoxyiminoacetamide derivs. **138261-41-3D**, Imidacloprid, mixts.
with methoxyiminoacetamide derivs.

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(fungicidal compns.)

L7 ANSWER 7 OF 29 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:581649 HCAPLUS

DOCUMENT NUMBER: 135:163628

TITLE: Preparation of derivatived of known pesticides, with
enhanced properties

INVENTOR(S): Mulvihill, Mark Joseph; Shaber, Steven Howard; Kelly,
Martha Jean

PATENT ASSIGNEE(S): Rohm and Haas Company, USA

SOURCE: PCT Int. Appl., 1646 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001056358	A2	20010809	WO 2001-US651	20010126
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 6376548	B1	20020423	US 2000-493865	20000128
AU 2001030875	A5	20010814	AU 2001-30875	20010126
PRIORITY APPLN. INFO.:			US 2000-178878P	P 20000128
			US 2000-493865	A 20000128
			WO 2001-US651	W 20010126
OTHER SOURCE(S):		MARPAT 135:163628		

AB A very large no. of derivs. of known pesticides were prepd. The moieties substituted to the known pesticides enhance or favorably modify the activity and properties of the parent pesticide.

IT 353733-05-8P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. as pesticide with enhanced properties)

IT 107534-96-3 138261-41-3, Imidacloprid

RL: RCT (Reactant); RACT (Reactant or reagent)
(reactant in prepn. of pesticide deriv. with enhanced properties)

L7 ANSWER 8 OF 29 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:578597 HCAPLUS

DOCUMENT NUMBER: 135:124156

TITLE: Bactericide combinations in detergents

INVENTOR(S): Elsmore, Richard; Houghton, Mark Phillip

PATENT ASSIGNEE(S): Robert McBride Ltd., UK

SOURCE: Brit. UK Pat. Appl., 53 pp.

CODEN: BAXXDU

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2354771	A1	20010404	GB 1999-23253	19991001
AB	The detergent comprises a bactericide in combination with an anionic, cationic, nonionic or amphoteric surfactant which has a C12-18 alkyl group as the longest chain attached to the hydrophilic moiety. Creduret 50 (hydrogenated ethoxylated castor oil) 50, citric acid 12, formalin 10, sodium alkyl benzene sulfonate (C12-20) alkyl 1, perfume white line 0.5, detergent enzyme savingase 0.2, and bactericide Pr 4-hydroxybenzoate 1.0 parts formed a detergent, showing redn. activity after contact 2.			
IT	107534-96-3 138261-41-3			
	RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); BIOL (Biological study); USES (Uses) (bactericide combinations in detergents)			

L7 ANSWER 9 OF 29 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:526379 HCAPLUS

DOCUMENT NUMBER: 135:88642

TITLE: Inhibiting phase separation in low viscosity water-based pesticide suspensions

INVENTOR(S): Shafer, James G.; Hudson, Darrell C.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 7 pp., Cont.-in-part of U. S. 506,655.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2001008873	A1	20010719	US 2001-759797	20010112
US 6379687	B2	20020430		
US 6074987	A	20000613	US 1999-228904	19990111
PRIORITY APPLN. INFO.:			US 1998-86075	B2 19980528

US 1999-228904 A2 19990111
US 2000-506655 A2 20000217

AB The present invention provides a compn. for inhibiting phase sepn. and the resulting nonuniform distribution of an active ingredient in low-viscosity, water-based pesticide suspensions. The compn. comprises 0.003-50 % by wt. pesticide, 0.5-10 % wetting agent, 0.0-0.8 % thickener, 0.1-0.5 % antimicrobial agent, 5-20 % antifreeze agent, 1-8 % hydrophobic fumed silica, and 40-95 % water. In an embodiment, the hydrophobic fumed silica results from a hydrophilic silica which is treated with dimethyldichlorosilane.

IT 107534-96-3, Tebuconazole 138261-41-3,
Imidacloprid

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(phase sepn. inhibition in low-viscosity aq. pesticide suspensions)

L7 ANSWER 10 OF 29 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:311261 HCAPLUS

DOCUMENT NUMBER: 134:349315

TITLE: Seed treatment technologies: evolving to achieve crop genetic potential

AUTHOR(S): Brandl, F.

CORPORATE SOURCE: Syngenta Crop Protection AG, Basel, CH-4058, Switz.

SOURCE: BCPC Symposium Proceedings (2001), 76(Seed Treatment), 3-18

CODEN: BSPRFW

PUBLISHER: British Crop Protection Council

DOCUMENT TYPE: Journal; General Review

LANGUAGE: English

AB A review with 26 refs. This paper provides a wide-ranging survey of new developments and trends in seed treatment technologies during the last decade, and identifies future directions. The major crops that benefit from the use of seed treatment are cereals, maize, cotton, potatoes, oilseed rape and sugar beet. Seed treatments are being transformed from commodity to high-value status. Active ingredients such as **tebuconazole**, triticonazole, fludioxonil, silthiofam, imidacloprid, thiamethoxam and fipronil, are providing a broader spectrum of activity and longer-lasting control of diseases and pests in early crop growth stages, better toxicol. and ecotoxicol. profiles. Modern seed treatment products demand accurate application techniques and quality assurance systems to optimize efficacy, crop safety, and the cost/benefit ratio for the grower. There is increasing interest in the research of germination-enhancement techniques and the role of the seed as delivery vehicle for addnl. crop inputs. These developments in seed treatments are taking place alongside changes in crop prodn. systems and genetic technologies, and in response to the demands of consumers and growers for environmentally-friendly crop prodn. methods, including non-synthetic crop-protection agents.

IT 107534-96-3, Tebuconazole 138261-41-3,
Imidacloprid

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(seed treatment)

REFERENCE COUNT: 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 11 OF 29 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:239802 HCAPLUS

DOCUMENT NUMBER: 134:262325

TITLE: Pesticide microcapsules.

INVENTOR(S): Podszun, Wolfgang; Christensen, Bjoern; Schick, Norbert; Krueger, Joachim; Hilmar, Wolf

PATENT ASSIGNEE(S): Bayer A.-G., Germany
 SOURCE: Ger. Offen., 12 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19947147	A1	20010405	DE 1999-19947147	19991001
WO 2001024631	A1	20010412	WO 2000-EP9268	20000919
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: DE 1999-19947147 A 19991001

AB Pesticide microcapsules comprise a polymer capsule wall which encloses a mixt. of: (a) continuous solid polymer phase; (2) liq. oil phase; (3) pesticide(s); (4) oil-sol. dispersing agent(s); (5) optional additives. The wall polymer is polyurea or gelatin and the solid polymer phase is a vinyl polymer or polyurethane.

IT **107534-96-3, Tebuconazole 138261-41-3,**

Imidacloprid

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (pesticide microcapsules contg.)

L7 ANSWER 12 OF 29 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:756459 HCAPLUS

DOCUMENT NUMBER: 133:318537

TITLE: Pearl polymer containing agrochemicals

INVENTOR(S): Podszun, Wolfgang; Christensen, Bjorn; Schick, Norbert; Kruger, Joachim; Wolf, Hilmar

PATENT ASSIGNEE(S): Bayer A.-G., Germany

SOURCE: PCT Int. Appl., 32 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000062611	A1	20001026	WO 2000-EP3065	20000406
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

DE 19917562 A1 20001026 DE 1999-19917562 19990419

PRIORITY APPLN. INFO.: DE 1999-19917562 A 19990419

AB The invention relates to pearl polymers consisting of: (a) a continuous solid polymeric phase; (b) a liq. oil phase; (c) agrochem(s).; (d) oil-sol. dispersant(s); and (e) optionally additives. The content of the agrochem. is 5-75 % by wt. The invention also relates to a method for producing the pearl polymers their utilization in the application of agrochems.

IT 107534-96-3 138261-41-3, Imidacloprid

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(formulation in pearl polymer)

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 13 OF 29 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:424166 HCAPLUS

DOCUMENT NUMBER: 133:39414

TITLE: Influence of combined fungicide-insecticide treatment of winter wheat seed on crop development and yield after early and normal sowing date

AUTHOR(S): Schoberlein, W.; Herrmann, K.; Matthies, H.

CORPORATE SOURCE: Institut fur Acker- und Pflanzenbau, Lehrgebiet Saatgutwirtschaft, Martin-Luther-Universitat Halle-Wittenberg, Halle, 06108, Germany

SOURCE: Pflanzenschutz-Nachrichten Bayer (German Edition) (1999), 52(3), 320-346

CODEN: PNBAT; ISSN: 0340-1723

PUBLISHER: Bayer AG

DOCUMENT TYPE: Journal

LANGUAGE: German

AB Larger agricultural concerns growing winter wheat on a major scale have been considering the possibility of sowing winter wheat earlier, partly to make more efficient use of manpower but also to further increase the yield. Early sowing of winter wheat poses the risk of the young plants becoming infected with animal pests and - in the event of warm autumn weather - with barley yellow dwarf virus (BYDV), which greatly reduces yields. These problems were investigated in field trials carried out from 1995 to 1998, which involved early sowing (10 to 13 Sept.) and normal sowing (8 to 9 Oct.) of the winter wheat varieties Kontrast and Toronto at seed densities of 450 and 300 fertile caryopses per m² under the influence of 4 different seed treatments. The results obtained in the individual years of the study are shown in 16 figures and 5 tables, and are discussed with the aid of the biostatistical findings. The grain yields in all three years benefited from early sowing. The yield stability of the early sowing was successfully safeguarded by prophylactic protection of the seedlings and young plants by combined seed treatment including Gaucho. The active ingredient imidacloprid was effective in protecting the young plants of the early sowing in the autumn of 1995 from animal pests and viral infection. Even in 1997/1998, when there was no viral infection, the combined seed treatment with the two insecticides tested, Gaucho + Contur Plus, had significant effects on the yield of the early sowing. The standing crops which develop rapidly in the spring require appropriate crop management and careful monitoring for harmful organisms, so that prompt crop protection measures can be taken if necessary. The two seed-d. variants did not produce any significant differences in yield in any of the study years, so 300 fertile caryopses per m² can be regarded as the upper limit in early sowing of winter wheat in areas with similar natural conditions to the study location. On the basis of the study results, the early sowing of winter wheat can help to spread the autumn workload peak and raise the yield of suitable winter wheat varieties still further.

IT 138261-41-3, Imidacloprid

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(with beta-cyfluthrin and/or fludioxonil and **tebuconazole**;
influence of combined fungicide-insecticide treatment of winter wheat seed on plant development and yield)

IT **107534-96-3, Tebuconazole**

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(with fludioxonil; influence of combined fungicide-insecticide treatment of winter wheat seed on plant development and yield)

REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 14 OF 29 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:388552 HCAPLUS

DOCUMENT NUMBER: 133:13738

TITLE: Inhibiting phase separation in low viscosity water-based pesticide suspensions

INVENTOR(S): Shafer, James G.; Hudson, Darrell C.

PATENT ASSIGNEE(S): Bayer Corporation, USA

SOURCE: U.S., 7 pp., Cont.-in-part of U.S. Ser. No. 86,075, abandoned.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6074987	A	20000613	US 1999-228904	19990111
US 2001008873	A1	20010719	US 2001-759797	20010112
US 6379687	B2	20020430		

PRIORITY APPLN. INFO.:
US 1998-86075 B2 19980528
US 1999-228904 A2 19990111
US 2000-506655 A2 20000217

AB The invention provides a compn. for inhibiting phase sepn. and the resulting nonuniform distribution of an active ingredient in low viscosity, water-based pesticide suspensions. The compn. comprises 0.003-50% by wt. pesticide, 0.5-10% wetting agent, 0.0-0.8% thickener, 0.1-0.5% antimicrobial agent, 5-20% antifreeze, 1-8% hydrophobic fumed silica, and 40-95% water. In an embodiment of the invention, the hydrophobic fumed silica results from a hydrophilic silica which is treated with dimethyldichlorosilane.

IT **107534-96-3, Tebuconazole 138261-41-3, Imidacloprid**

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(inhibiting phase sepn. in low viscosity water-based pesticide suspensions)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 15 OF 29 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:349202 HCAPLUS

DOCUMENT NUMBER: 132:344443

TITLE: Synergistic fungicidal compositions.

INVENTOR(S): Mauler-Machnik, Astrid; Wachendorf-Neumann, Ulrike; Gayer, Herbert

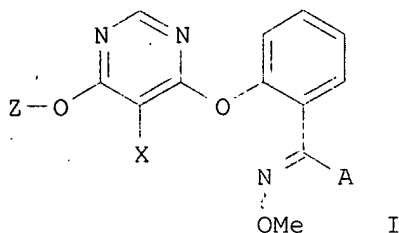
PATENT ASSIGNEE(S): Bayer A.-G., Germany
 SOURCE: Ger. Offen., 18 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19939841	A1	20000525	DE 1999-19939841	19990823
WO 2000030440	A2	20000602	WO 1999-EP8558	19991108
WO 2000030440	A3	20000831		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2000010460	A5	20000613	AU 2000-10460	19991108
BR 9915518	A	20010717	BR 1999-15518	19991108
EP 1130963	A2	20010912	EP 1999-953975	19991108
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				

PRIORITY APPLN. INFO.:

DE 1998-19853559 A1 19981120
 DE 1999-19939841 A 19990823
 WO 1999-EP8558 W 19991108

OTHER SOURCE(S): MARPAT 132:344443
 GI



AB The title compns. comprise the pyrimidine derivs. I [Z = (un)substituted Ph; X = halo; A = heterocyclyl, CO₂Me or CHNMe] and any of a large no. of known fungicides.

IT 107534-96-3D, Tebuconazole, mixts. with pyrimidine derivs. 138261-41-3D, Imidacloprid, mixts. with pyrimidine derivs.

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic fungicidal compns.)

L7 ANSWER 16 OF 29 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1999:518655 HCAPLUS

DOCUMENT NUMBER: 131:166500

TITLE: Agrochemical compositions containing 1,2-dihydro- or

1,2,5,6-tetrahydro-4H-pyrrolo(3,2,1-i,j)quinolin-4-ones

INVENTOR(S): Ohta, Hiroshi; Tanaka, Harukazu; Tsuda, Mikio; Ohnishi, Toru; Takahi, Yukiyo; Kato, Shigehiro

PATENT ASSIGNEE(S): Sankyo Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 69 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent

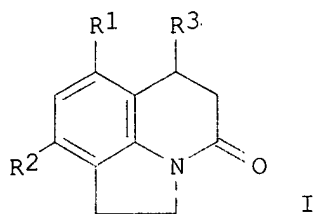
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11222406	A2	19990817	JP 1998-321906	19981112
PRIORITY APPLN. INFO.:			JP 1997-311799	19971113
OTHER SOURCE(S):	MARPAT 131:166500			

GI



AB Agrochem. microbicides contain (1) 1,2-dihydro- or 1,2,5,6-tetrahydro-4H-pyrrolo(3,2,1-i,j)quinolin-4-ones I [R1 = halo, C1-6 (halo)alkyl, C1-6 (halo)alkoxy, C3-7 cycloalkyl(oxy); R2 = H, halo; R3 = H, C1-6 alkyl, C3-7 cycloalkyl; dotted line = single bond, double bond] and (2) .gtoreq.1 compd. selected from ergosterol biosynthesis inhibitors (EBIs), non-EBI-type agents for control of *Pyricularia oryzae* or *Rhizoctonia solani*, hymexazol (salts), phenylamide microbicides, bactericides, organosulfur microbicides, benzimidazole microbicides, organophosphorus insecticides, carbamate insecticides, synthetic pyrethroid insecticides, neonicotinoid insecticides, benzoylhydrazine insecticides, phenylpyrazole insecticides, nereistoxin insecticides, plant growth regulators, sulfonylurea herbicides, agents for control of *Echinochloa* or *Cyperaceae*, azole-type bleaching herbicides, and triazine herbicides. Insecticides, plant growth regulators, and herbicides contg. the compns. and their uses are also claimed. Concomitant application of 7-fluoro-1,2,5,6-tetrahydro-4H-pyrrolo[3,2,1-i,j]quinolin-4-one (prepn. given) and 2-(4-fluorophenyl)-1-(1H-1,2,4-triazol-1-yl)-3-trimethylsilyl-2-propanol at 10 and 20 g/10 are, resp. showed 98% control of *Pyricularia oryzae* in rice.

IT 238098-82-3

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(agrochem. fungicides contg. 1,2-dihydro- or 1,2,5,6-tetrahydro-4H-pyrrolo(3,2,1-i,j)quinolin-4-ones)

IT 107534-96-3, Tebuconazole 138261-41-3, Imidacloprid

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study);

USES (Uses)

(agrochem. fungicides contg. 1,2-dihydro- or 1,2,5,6-tetrahydro-4H-pyrrolo(3,2,1-i,j)quinolin-4-ones and)

L7 ANSWER 17 OF 29 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1999:139414 HCAPLUS

DOCUMENT NUMBER: 130:219433

TITLE: Manufacture of granular wettable compositions

INVENTOR(S): Isono, Kunihiro; Nishi, Yasushi; Ishidomaru, Kenji

PATENT ASSIGNEE(S): Nippon Bayer Agrochem K. K., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11049604	A2	19990223	JP 1998-134236	19980430
PRIORITY APPLN. INFO.:			JP 1997-149878	19970526

AB An wettable compn. consists of a pesticide, a surfactant, and talc. A surfactant may contain (1) 10-18 % by wt. lignin sodium sulfonate, (2) 0.1-5.0 % by wt. polyoxyalkylene aryl (or alkyl)naphthalene sulfonate of which the polyoxyalkylene may be polyoxyethylene-polyoxypropylene block copolymer, and (3) 0.1-5.0 alkyl naphthalene sulfonate.

IT 107534-96-3 138261-41-3

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(manuf. of granular wettable compns. contg.)

L7 ANSWER 18 OF 29 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1998:708886 HCAPLUS

DOCUMENT NUMBER: 129:327292

TITLE: Synergistic fungicide mixtures.

INVENTOR(S): Stenzel, Klaus; Dutzmann, Stefan; Mauler-Machnik,

Astrid; Assmann, Lutz

PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 61 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

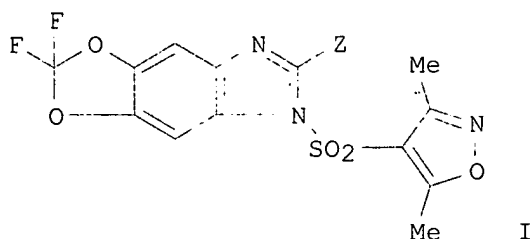
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9847370	A1	19981029	WO 1998-EP1987	19980406

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

DE 19716256	A1	19981022	DE 1997-19716256	19970418
TW 385232	B	20000321	TW 1998-87105036	19980403
AU 9875221	A1	19981113	AU 1998-75221	19980406
AU 727180	B2	20001207		
EP 975221	A1	20000202	EP 1998-922648	19980406

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, PT, IE
 BR 9809763 A 20000620 BR 1998-9763 19980406
 JP 2001505924 T2 20010508 JP 1998-544923 19980406
 ZA 9803235 A 19981022 ZA 1998-3235 19980417
 US 6297236 B1 20011002 US 1999-402908 19991013
 US 2002072535 A1 20020613 US 2001-882042 20010614
 PRIORITY APPLN. INFO.: DE 1997-19716256 A 19970418
 WO 1998-EP1987 W 19980406
 US 1999-402908 A3 19991013
 OTHER SOURCE(S): MARPAT 129:327292
 GI



AB The title mixts. comprise a dioxolobenzimidazole deriv. I (Z = Cl or Br) and any of a large no. of fungicides, such as **tebuconazole**, propineb, fenhexamid, bendicar, spiroxamine, azoxystrobin, kresoxim Me, cymoxanil, metalaxyl, etc.

IT **107534-96-3D, Tebuconazole**, mixt. with dioxolobenzimidazole deriv. **138261-41-3D**, mixt. with dioxolobenzimidazole deriv. **215252-27-0 215252-28-1**
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic fungicide)

L7 ANSWER 19 OF 29 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1998:708883 HCAPLUS
 DOCUMENT NUMBER: 129:327290
 TITLE: Synergistic fungicide mixtures.
 INVENTOR(S): Dutzmann, Stefan; Stenzel, Klaus; Jautelat, Manfred
 PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 74 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9847367	A1	19981029	WO 1998-EP1986	19980406
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
DE 19716257	A1	19981022	DE 1997-19716257	19970418

AU 9875220 A1 19981113 AU 1998-75220 19980406
 AU 727186 B2 20001207
 EP 975219 A1 20000202 EP 1998-922647 19980406
 EP 975219 B1 20020313
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, SI,
 FI, RO
 BR 9809100 A 20000801 BR 1998-9100 19980406
 JP 2001520665 T2 20011030 JP 1998-544922 19980406
 AT 214230 E 20020315 AT 1998-922647 19980406
 ZA 9803236 A 19981022 ZA 1998-3236 19980417
 US 6306850 B1 20011023 US 1999-402866 19991013

PRIORITY APPLN. INFO.: DE 1997-19716257 A 19970418
 WO 1998-EP1986 W 19980406

OTHER SOURCE(S): MARPAT 129:327290

AB The title mixts. comprise 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-2,4-dihydro[1,2,4]triazole-3-thione and any of a large no. of fungicides, such as **tebuconazole**, propineb, fenhexamid, etc.

IT 215245-90-2

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicide)

L7 ANSWER 20 OF 29 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1998:321235 HCAPLUS

DOCUMENT NUMBER: 129:1707

TITLE: Pesticides incorporated in biodegradable polyester amides, for application to plants

INVENTOR(S): Simon, Joachim; Muller, Hanns Peter; Priesnitz, Uwe; Rast, Hans-georg

PATENT ASSIGNEE(S): Bayer A.-G., Germany; Simon, Joachim; Muller, Hanns Peter; Priesnitz, Uwe; Rast, Hans-Georg

SOURCE: PCT Int. Appl., 27 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9819531	A1	19980514	WO 1997-EP5932	19971027
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
DE 19645842	A1	19980514	DE 1996-19645842	19961107
AU 9852220	A1	19980529	AU 1998-52220	19971027
EP 936856	A1	19990825	EP 1997-947029	19971027
EP 936856	B1	20010530		
R:	AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, NL			
BR 9712904	A	20000321	BR 1997-12904	19971027
JP 2001503420	T2	20010313	JP 1998-521009	19971027
ES 2158596	T3	20010901	ES 1997-947029	19971027
KR 2000052777	A	20000825	KR 1999-703589	19990423
US 6191071	B1	20010220	US 1999-297628	19990504

PRIORITY APPLN. INFO.: DE 1996-19645842 A 19961107
 WO 1997-EP5932 W 19971027

AB The invention concerns novel plant-treatment agents comprising thermoplastically-processable biodegradable polyester amides, optionally in a mixt. with one or more further thermoplastically-processable, biodegradable polymer components, pesticide(s), and optionally additives. The invention further concerns a process for prepg. these agents, and their use in the application of pesticides.

IT 107534-96-3, Tebuconazole 138261-41-3

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(pesticides incorporated into biodegradable polyester amides, for application to plants)

L7 ANSWER 21 OF 29 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1998:35959 HCAPLUS
DOCUMENT NUMBER: 128:111913
TITLE: Wood preservatives and their use at ambient pressure
INVENTOR(S): Igarashi, Rei
PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10007502	A2	19980113	JP 1996-158363	19960619

AB Wood preservatives contain water-immiscible fungicides, water-immiscible insecticides, water-immiscible liq. hydrocarbons with b.p. .gtoreq.220.degree. and flash point .gtoreq.100.degree., surfactants, and optional water. The preservatives are dild. with water and coated to wood at ambient pressure. A wood preservative emulsion was formulated contg. IPBC, cyfluthrin, KMC 113 (dipropyl naphthalene) (sic), Newkalgen CP 80 (polyoxyalkylene styrylphenyl ether), and water.

IT 107534-96-3, Tebuconazole 138261-41-3,

Imidacloprid

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(wood preservatives for coating at ambient pressure)

L7 ANSWER 22 OF 29 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1997:740064 HCAPLUS
DOCUMENT NUMBER: 127:342939
TITLE: Pesticide powder formulation for seed and foliar treatment of plants
INVENTOR(S): Dao-Cong, Dong; Kelly, Heather Leigh
PATENT ASSIGNEE(S): Uniroyal Chemical Company, Inc., USA; Uniroyal Chemical Ltd./uniroyal Chemical Ltee
SOURCE: PCT Int. Appl., 51 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9740668	A1	19971106	WO 1997-US5885	19970409

W: CA, YU

RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
 US 5719103 A 19980217 US 1996-642832 19960502
 EP 900005 A1 19990310 EP 1997-921126 19970409

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI
 PRIORITY APPLN. INFO.: US 1996-642832 19960502
 WO 1997-US5885 19970409

AB Water-dispersible powder formulations are given for seed and foliar treatment of plants, which provide excellent dust and rub-off control. The powder formulations comprise an active ingredient, a wetting agent, a dispersant, an anticaking agent, and an adhesion ingredient, selected from sodium salt of a polyacrylic acid, a sodium salt of maleic acid/acrylic acid copolymer, polyvinyl pyrrolidone, an alkylated polyvinyl pyrrolidone, and mixts. thereof. The wetting agent is present in an amt. that is effective for enabling the powder formulation to be wettable by cold water. The dispersant is present in an amt. that is effective for enabling the powder formulation to be dispersible in cold water. The anticaking agent is present in an amt. that is effective for enabling the powder formulation to be re-suspendable in water. The adhesion ingredient is present in an amt. that is effective for enabling the powder formulation to adhere to a plant leaf or seed. The powder formulations are esp. suitable for containment in water sol. and/or water-dispersible bags or pouches, such use tending to render the active ingredient safer to handle and therefore better for consumers and the environment.

IT 107534-96-3, Tebuconazole 138261-41-3,
 Imidacloprid

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (pesticide powder formulation for seed and foliar treatment of plants)

L7 ANSWER 23 OF 29 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1997:440126 HCAPLUS

DOCUMENT NUMBER: 127:46479

TITLE: Water-based, solvent- and emulsifier-free microbicidal compositions.

INVENTOR(S): Buschhaus, Hans-Ulrich; Exner, Otto; Kugler, Martin;
 Nagano, Yukihiro

PATENT ASSIGNEE(S): Bayer A.-G., Germany

SOURCE: Ger. Offen., 12 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19543477	A1	19970528	DE 1995-19543477	19951122
CA 2238033	AA	19970529	CA 1996-2238033	19961111
WO 9718713	A1	19970529	WO 1996-EP4919	19961111
W: AU, BB, BG, BR, BY, CA, CN, CZ, HU, JP, KR, KZ, LK, MX, NO, NZ, PL, RO, RU, SK, TR, UA, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9675694	A1	19970611	AU 1996-75694	19961111
EP 863709	A1	19980916	EP 1996-938169	19961111
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL				
JP 2000500475	T2	20000118	JP 1997-519342	19961111
BR 9611746	A	20000328	BR 1996-11746	19961111

PRIORITY APPLN. INFO.: DE 1995-19543477 A 19951122
 WO 1996-EP4919 W 19961111

OTHER SOURCE(S): MARPAT 127:46479

AB The title compns. comprise azole fungicide(s) (triadimefon, triadimenol, **tebuconazole**, hexaconazole, etc.), nitromethylene or related insecticide(s) and quaternary ammonium fungicide(s). The compns. are useful for the preservation of leather, wood and tech. materials.

IT **191226-82-1**

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(microbicidal compn. for preservation of leather, wood and tech. materials)

IT **107534-96-3D, Tebuconazole**, mixts. contg.

138261-41-3D, Imidacloprid, mixts. contg.

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(microbicidal compns. for preservation of leather, wood and tech. materials)

L7 ANSWER 24 OF 29 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1997:414007 HCAPLUS

DOCUMENT NUMBER: 127:30417

TITLE: Biodegradable matrix for sustained-release pesticides

INVENTOR(S): Kalbe, Jochen; Koch, Rainhard; Mueller, Hanns-Peter; Priesnitz, Uwe; Penners, Gunther; Rehbold, Bodo; Andersch, Wolfram; Stenzel, Klaus; Engelhardt, Juergen

PATENT ASSIGNEE(S): Bayer A.-G., Germany

SOURCE: Ger. Offen., 17 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19542500	A1	19970522	DE 1995-19542500	19951115
WO 9717847	A1	19970522	WO 1996-EP4823	19961105
W: AU, BB, BG, BR, BY, CA, CN, CZ, HU, IL, JP, KR, KZ, LK, MX, NO, NZ, PL, RO, RU, SK, TR, UA, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9675652	A1	19970605	AU 1996-75652	19961105
EP 861024	A1	19980902	EP 1996-938092	19961105
R: DE, ES, FR, IT				
JP 2000500148	T2	20000111	JP 1997-518549	19961105
ZA 9609562	A	19970625	ZA 1996-9562	19961114

PRIORITY APPLN. INFO.: DE 1995-19542500 A 19951115
WO 1996-EP4823 W 19961105

AB Polysaccharide esters, such as hydroxypropylcellulose phthalate, are prepd. as matrixes for sustained-release pesticides. Suitable pesticides are, for example nicotinerbic acetylcholine receptor agonists and antagonists.

IT **107534-96-3, Tebuconazole 138261-41-3**, Imidacloprid

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(sustained-release formulation with biodegradable polysaccharide esters)

L7 ANSWER 25 OF 29 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1996:158221 HCAPLUS

DOCUMENT NUMBER: 124:223537

TITLE: Screening of pesticide-contaminated soil by

AUTHOR(S): Koeber, R.; Niessner, R.
 CORPORATE SOURCE: Inst. Hydrochem., Tech. Univ. Munich, Munich, D-81377, Germany
 SOURCE: Fresenius' J. Anal. Chem. (1996), 354(4), 464-9
 CODEN: FJACES; ISSN: 0937-0633
 DOCUMENT TYPE: Journal
 LANGUAGE: English

AB A method for screening of pesticide-contaminated soil was developed. The extn. is carried out by supercrit. carbon dioxide (CO₂) with methanol as a modifier. The different components of the exts. are sepd. by high-performance thin-layer chromatog. with automated multiple development (HPTLC/AMD) and evaluated densitometrically. The technique can be carried out without any previous clean-up step. Compared with other extn. techniques, SFE has the advantages of reducing the amt. of co-extd. soil contents, which can seriously deteriorate the results. A 35-step development of the TLC-plate with gradient elution offers an application over a wide range of polarity. Migration data for 107 pesticides, recoveries and detection limits for 20 pesticides were detd.

IT 107534-96-3, Tebuconazole 138261-41-3

RL: ANT (Analyte); POL (Pollutant); ANST (Analytical study); OCCU (Occurrence)
 (detn. in soil by supercrit. fluid extn. and HPTLC with automated multiple development)

L7 ANSWER 26 OF 29 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1995:858859 HCAPLUS
 DOCUMENT NUMBER: 123:249221
 TITLE: Paste formulation of pesticides.
 INVENTOR(S): Wada, Yuzuru; Otsu, Yuichi; Isono, Kunihiro; Koyama, Shigeharu; Sone, Shinzaburo
 PATENT ASSIGNEE(S): Nihon Bayer Agrochem K. K., Japan
 SOURCE: Ger. Offen., 14 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19506095	A1	19950921	DE 1995-19506095	19950222
JP 07291802	A2	19951107	JP 1994-332207	19941213
NL 9500378	A	19951002	NL 1995-378	19950224
BE 1009798	A5	19970805	BE 1995-184	19950302
FR 2716771	A1	19950908	FR 1995-2503	19950303
ZA 9501783	A	19951218	ZA 1995-1783	19950303
ES 2113804	A1	19980501	ES 1995-425	19950303
ES 2113804	B1	19990701		
US 5951994	A	19990914	US 1997-938479	19970930
PRIORITY APPLN. INFO.:			JP 1994-58344	19940304
			US 1995-395557	19950228

AB The formulations comprise a pesticide, an adjuvant which is solid, liq. or of paste consistency at room temp., and, optionally, a carrier and water. The adjuvant is an optionally ethoxylated fatty acid ester of a polyvalent alc., a sorbitol lanolin deriv., alkoxylted beeswax, etc. Thus, a formulation comprised imidacloprid 10 and sorbitan monolaurate 90 parts.

IT 80443-41-0 138261-41-3, Imidacloprid

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(paste formulation of)

L7 ANSWER 27 OF 29 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1995:851889 HCAPLUS
DOCUMENT NUMBER: 123:249214
TITLE: Pesticide tablets for application to plants.
INVENTOR(S): Wada, Yuzuru; Otsu, Yuichi; Isono, Kunihiro; Koyama, Shigeharu; Sone, Shinzaburo
PATENT ASSIGNEE(S): Nihon Bayer Agrochem K.K., Japan
SOURCE: Ger. Offen., 12 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19506094	A1	19950907	DE 1995-19506094	19950222
JP 07242501	A2	19950919	JP 1994-58345	19940304
NL 9500379	A	19951002	NL 1995-379	19950224
BE 1009742	A5	19970701	BE 1995-185	19950302
FR 2716772	A1	19950908	FR 1995-2502	19950303
ES 2113803	A1	19980501	ES 1995-424	19950303
ES 2113803	B1	19990401		
US 5883045	A	19990316	US 1997-874927	19970630
PRIORITY APPLN. INFO.:			JP 1994-58345	19940304
			US 1995-395558	19950228

AB Tablets are made of a pesticide, an adjuvant, which is solid, liq. or a paste at room temp., and, optionally, carrier(s). Thus, tablets were made of a mixt. of imidacloprid 15, sorbitan monolaurate 74, silica 10 and Ca stearate 1 part by wt. The tablets are secured to plants.

IT **80443-41-0 138261-41-3**, Imidacloprid
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(tablets for application to plants)

L7 ANSWER 28 OF 29 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1995:682581 HCAPLUS
DOCUMENT NUMBER: 123:59251
TITLE: Wood preservative, concentrates and preservation of wood
INVENTOR(S): Heuer, Lutz; Kugler, Martin; Buschhaus, Hans-Ulrich; Schrage, Heinrich; Kunisch, Franz
PATENT ASSIGNEE(S): Bayer A.-G., Germany
SOURCE: PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9500303	A1	19950105	WO 1994-EP1868	19940608
W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, HU, JP, KR, KZ, LK, NO, NZ, PL, RO, RU, SK, UA, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
DE 4320495	A1	19941222	DE 1993-4320495	19930621

DE 4406819	A1	19950907	DE 1994-4406819	19940302
AU 9471231	A1	19950117	AU 1994-71231	19940608
AU 689480	B2	19980402		
EP 705160	A1	19960410	EP 1994-920437	19940608
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, PT, SE				
BR 9407120	A	19960903	BR 1994-7120	19940608
JP 08509437	T2	19961008	JP 1994-502383	19940608
NO 9505107	A	19951215	NO 1995-5107	19951215
US 5972971	A	19991026	US 1995-564249	19951215
FI 9506113	A	19951219	FI 1995-6113	19951219
PRIORITY APPLN. INFO.:			DE 1993-4320495	19930621
			DE 1994-4406819	19940302
			WO 1994-EP1868	19940608

AB Title combination contains .alpha.-butyl-.alpha.-(2,4-dichlorophenyl)-1H-1,2,4-triazol-1-ethanol (hexaconazole), and/or 5-[(4-chlorophenyl)methyl]-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol (metconazole) fungicides, and .gtoreq.1 supplementary synergistic insecticide. The addn. of the synergistic insecticide to the azole fungicide does not impair the activity of the fungicide, the combinations have good stability, long term activity, a broad activity spectrum, and good penetrability in wood.

IT **107534-96-3, Tebuconazole 138261-41-3,**
Imidacloprid
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(wood preservative contg.)

L7 ANSWER 29 OF 29 HCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1994:527784 HCAPLUS

DOCUMENT NUMBER: 121:127784

TITLE: Compatibility of imidacloprid with fungicides as a seed-treatment control of Russian wheat aphid (Homoptera: Aphididae) and effect on germination, growth, and yield of wheat and barley

AUTHOR(S): Pike, K. S.; Reed, G. L.; Graf, G. T.; Allison, D.
CORPORATE SOURCE: Irrig. Agric. Res. and Ext. Cent., Wash. State Univ., Prosser, WA, 99350-9687, USA

SOURCE: J. Econ. Entomol. (1993), 86(2), 586-593
CODEN: JEENAI; ISSN: 0022-0493

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Imidacloprid insecticide, applied as a seed treatment, singly or in combination with fungicides (carboxin-thiram, triadimenol-captan, and **tebuconazole**-thiram), protected growing plants of wheat and barley from developing infestations of Russian wheat aphid, *Diuraphis noxia* (Mordvilko) for 27-85 d after planting based on four greenhouse and four field trials. There were no compatibility problems in insecticide performance by combining imidacloprid with fungicides on the seed. Imidacloprid significantly reduced plant damage by *D. noxia* in all trials and increased yields in three of three field trials where plots were entirely infested. As a seed treatment, imidacloprid offers an environmentally safer approach to the control of *D. noxia* than is possible with wide-spectrum aerial or in-furrow granular insecticide treatments.

IT **157202-93-2 157202-94-3 157202-95-4**

RL: BIOL (Biological study)
(Russian wheat aphid control by wheat and barley seed dressing with)

IT **138261-41-3**

RL: BIOL (Biological study)
(Russian wheat aphid control by wheat and barley seed dressing with fungicides plus)

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in the same file in which it was created.

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DICTIONARY FILE UPDATES: 17 JUN 2002 HIGHEST RN 431874-59-8

TSCA INFORMATION NOW CURRENT THROUGH January 7, 2002

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conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

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	(138261-41-3/RN)
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	(107534-96-3/RN)
1	80443-41-0/BI
	(80443-41-0/RN)
1	157202-93-2/BI
	(157202-93-2/RN)
1	157202-94-3/BI
	(157202-94-3/RN)
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	(157202-95-4/RN)
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1	215245-90-2/BI
	(215245-90-2/RN)
1	215252-27-0/BI
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1	215252-28-1/BI
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1	238098-82-3/BI
	(238098-82-3/RN)
1	353733-05-8/BI
	(353733-05-8/RN)
1	425384-85-6/BI
	(425384-85-6/RN)
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215245-90-2/BI OR 215252-27-0/BI OR 215252-28-1/BI OR 238098-82-
3/BI OR 353733-05-8/BI OR 425384-85-6/BI)

=> d ide can l8 tot

L8 ANSWER 1 OF 12 REGISTRY COPYRIGHT 2002 ACS

RN 425384-85-6 REGISTRY

CN 3-Pyridinecarboxamide, N-(cyanomethyl)-4-(trifluoromethyl)-, mixt. with
1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine (9CI) (CA
INDEX NAME)

OTHER NAMES:

CN Imidacloprid-IKI 220 mixt..

MF C9 H10 Cl N5 O2 . C9 H6 F3 N3 O

CI MXS

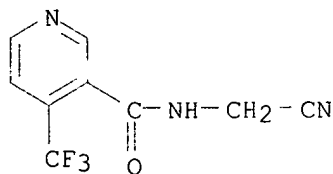
SR CA

LC STN Files: CA, CAPLUS

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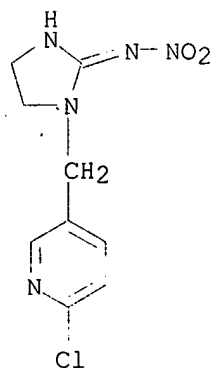
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CM 2

CRN 138261-41-3

CMF C9 H10 Cl N5 O2



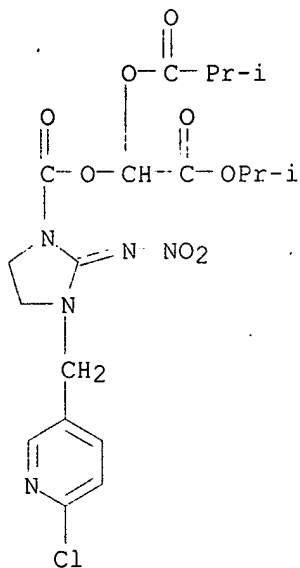
1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:381765

L8 ANSWER 2 OF 12 REGISTRY COPYRIGHT 2002 ACS

RN 353733-05-8 REGISTRY
 CN 1-Imidazolidinecarboxylic acid, 3-[(6-chloro-3-pyridinyl)methyl]-2-(nitroimino)-, 2-(1-methylethoxy)-1-(2-methyl-1-oxopropoxy)-2-oxoethyl ester (9CI) (CA INDEX NAME)
 MF C19 H24 Cl N5 O8
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 135:163628

L8 ANSWER 3 OF 12 REGISTRY COPYRIGHT 2002 ACS

RN 238098-82-3 REGISTRY

CN 4H-Pyrrolo[3,2,1-ij]quinolin-4-one, 7-fluoro-1,2,5,6-tetrahydro-, mixt. with 1-[(6-chloro-3-pyridinyl)methyl]-4,5-dihydro-N-nitro-1H-imidazol-2-amine (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Imidazol-2-amine, 1-[(6-chloro-3-pyridinyl)methyl]-4,5-dihydro-N-nitro-, mixt. contg. (9CI)

MF C11 H10 F N O . C9 H10 Cl N5 O2

CI MXS

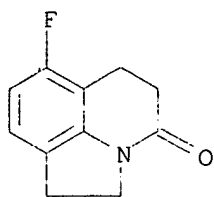
SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

CM 1

CRN 199526-83-5

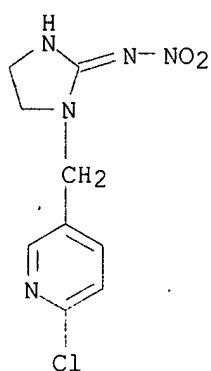
CMF C11 H10 F N O



CM 2

CRN 138261-41-3

CMF C9 H10 Cl N5 O2



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 131:166500

L8 ANSWER 4 OF 12 REGISTRY COPYRIGHT 2002 ACS

RN 215252-28-1 REGISTRY

CN 5H-1,3-Dioxolo[4,5-f]benzimidazole, 6-chloro-5-[(3,5-dimethyl-4-isoxazolyl)sulfonyl]-2,2-difluoro-, mixt. with 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2-Imidazolidinimine, 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-, mixt. contg. (9CI)

MF C13 H8 Cl F2 N3 O5 S . C9 H10 Cl N5 O2

CI MXS

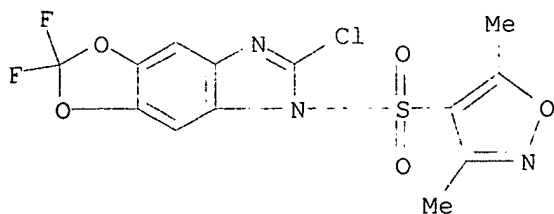
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LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 188027-78-3

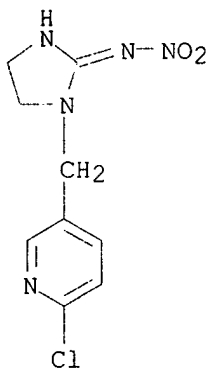
CMF C13 H8 Cl F2 N3 O5 S



CM 2

CRN 138261-41-3

CMF C9 H10 Cl N5 O2



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 129:327292

L8 ANSWER 5 OF 12 REGISTRY COPYRIGHT 2002 ACS

RN 215252-27-0 REGISTRY

CN 5H-1,3-Dioxolo[4,5-f]benzimidazole, 6-bromo-5-[(3,5-dimethyl-4-isoxazolyl)sulfonyl]-2,2-difluoro-, mixt. with 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2-Imidazolidinimine, 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-, mixt. contg. (9CI)

MF C13 H8 Br F2 N3 O5 S . C9 H10 Cl N5 O2

CI MXS

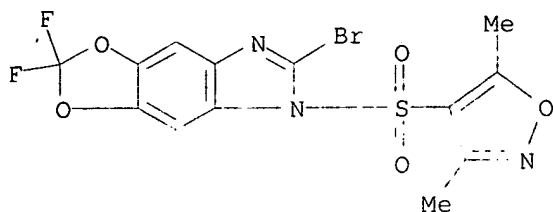
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

CM 1

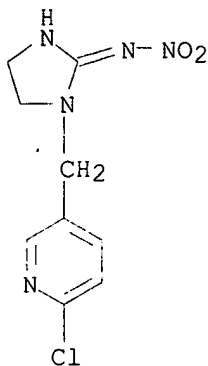
CRN 188026-76-8

CMF C13 H8 Br F2 N3 O5 S



CM 2

CRN 138261-41-3
CMF C9 H10 Cl N5 O2



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 129:327292

L8 ANSWER 6 OF 12 REGISTRY COPYRIGHT 2002 ACS

RN 215245-90-2 REGISTRY

CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2-Imidazolidinimine, 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-, mixt. contg. (9CI)

MF C14 H15 Cl2 N3 O S . C9 H10 Cl N5 O2

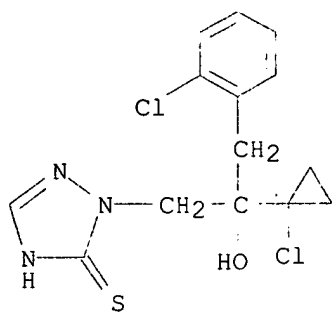
CI MXS

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

CM 1

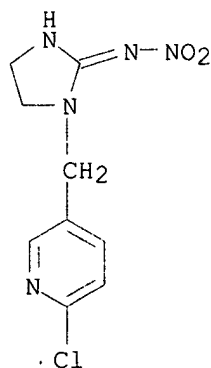
CRN 178928-70-6
CMF C14 H15 Cl2 N3 O S



CM 2

CRN 138261-41-3

CMF C9 H10 Cl N5 O2



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 129:327290

L8 ANSWER 7 OF 12 REGISTRY COPYRIGHT 2002 ACS

RN 191226-82-1 REGISTRY

CN 1-Decanaminium, N-decyl-N,N-dimethyl-, chloride, mixt. with .alpha.-[2-(4-chlorophenyl)ethyl]-.alpha.-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol and 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-1,2,4-Triazole-1-ethanol, .alpha.-[2-(4-chlorophenyl)ethyl]-.alpha.-(1,1-dimethylethyl)-, mixt. contg. (9CI)

CN 2-Imidazolidinimine, 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-, mixt. contg. (9CI)

MF C22 H48 N . Cl6 H22 Cl N3 O . C9 H10 Cl N5 O2 . Cl

CI MXS

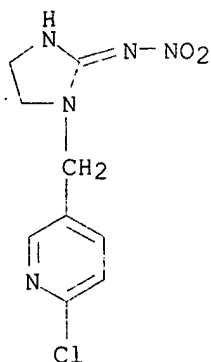
SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 138261-41-3

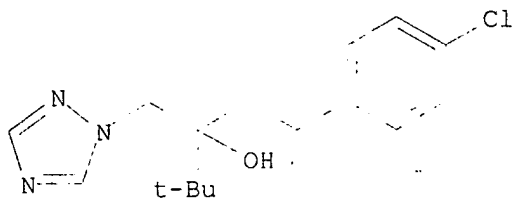
CMF C9 H10 Cl N5 O2



CM 2

CRN 107534-96-3

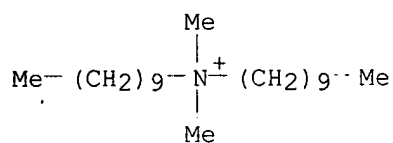
CMF C16 H22 Cl N3 O



CM 3

CRN 7173-51-5 (20256-56-8)

CMF C22 H48 N . Cl



● Cl⁻

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 127:46479

L8 ANSWER 8 OF 12 REGISTRY COPYRIGHT 2002 ACS

RN 157202-95-4 REGISTRY

CN Thioperoxydicarbonic diamide ([(H2N)C(S)]2S2), tetramethyl-, mixt. with

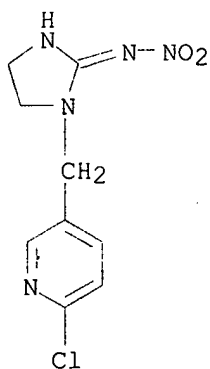
.alpha.-[2-(4-chlorophenyl)ethyl]-.alpha.-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol and 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-1,2,4-Triazole-1-ethanol, .alpha.-[2-(4-chlorophenyl)ethyl]-.alpha.-(1,1-dimethylethyl)-, (.+-.)-, mixt. contg.
 CN 1H-1,2,4-Triazole-1-ethanol, .alpha.-[2-(4-chlorophenyl)ethyl]-.alpha.-(1,1-dimethylethyl)-, mixt. contg. (9CI)
 CN 2-Imidazolidinimine, 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-, mixt. contg. (9CI)
 CN Thioperoxydicarbonic diamide ([(H2N)C(S)]2S2), tetramethyl-, mixt. with (.+-.)-.alpha.-[2-(4-chlorophenyl)ethyl]-.alpha.-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol and 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine
 MF C16 H22 Cl N3 O . C9 H10 Cl N5 O2 . C6 H12 N2 S4
 CI MXS
 SR CA
 LC STN Files: CA, CAPLUS

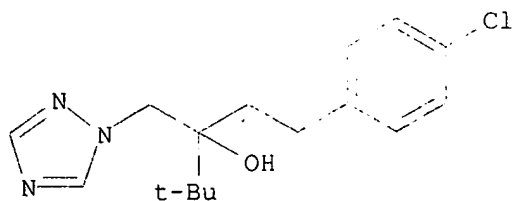
CM 1

CRN 138261-41-3
 CMF C9 H10 Cl N5 O2



CM 2

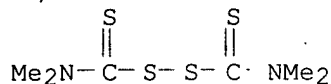
CRN 107534-96-3
 CMF C16 H22 Cl N3 O



CM 3

CRN 137-26-8

CMF C6 H12 N2 S4



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 121:127784

L8 ANSWER 9 OF 12 REGISTRY COPYRIGHT 2002 ACS

RN 157202-94-3 REGISTRY

CN 1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-, mixt. with .beta.-(4-chlorophenoxy)-.alpha.-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol and 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-1,2,4-Triazole-1-ethanol, .beta.-(4-chlorophenoxy)-.alpha.-(1,1-dimethylethyl)-, mixt. contg. (9CI)

CN 2-Imidazolidinimine, 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-, mixt. contg. (9CI)

MF C14 H18 Cl N3 O2 . C9 H10 Cl N5 O2 . C9 H8 Cl3 N O2 S

CI MXS

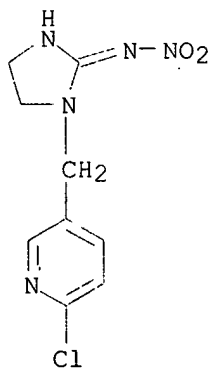
SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 138261-41-3

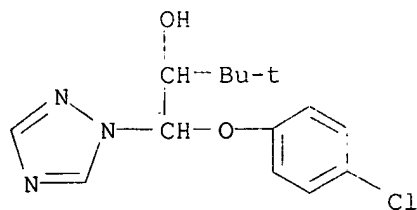
CMF C9 H10 Cl N5 O2



CM 2

CRN 55219-65-3

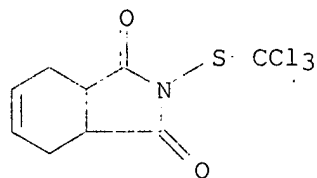
CMF C14 H18 Cl N3 O2



CM 3

CRN 133-06-2

CMF C9 H8 Cl3 N O2 S



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 121:127784

L8 ANSWER 10 OF 12 REGISTRY COPYRIGHT 2002 ACS

RN 157202-93-2 REGISTRY

CN 1,4-Oxathiin-3-carboxamide, 5,6-dihydro-2-methyl-N-phenyl-, mixt. with
1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine and
tetramethylthioperoxydicarbonic diamide [(Me2N)C(S)]2S2 (9CI) (CA INDEX
NAME)

OTHER CA INDEX NAMES:

CN 2-Imidazolidinimine, 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-, mixt.
contg. (9CI)

CN Thioperoxydicarbonic diamide [(H2N)C(S)]2S2, tetramethyl-, mixt. contg.
(9CI)

MF C12 H13 N O2 S . C9 H10 Cl N5 O2 . C6 H12 N2 S4

CI MXS

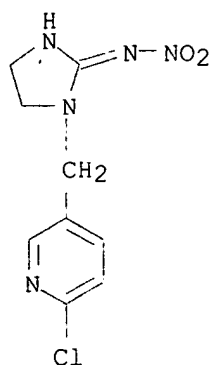
SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 138261-41-3

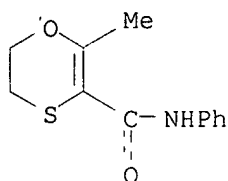
CMF C9 H10 Cl N5 O2



CM 2

CRN 5234-68-4

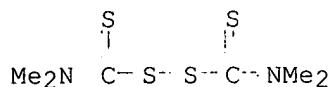
CMF C12 H13 N O2 S



CM 3

CRN 137-26-8

CMF C6 H12 N2 S4



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 121:127784

L8 ANSWER 11 OF 12 REGISTRY COPYRIGHT 2002 ACS

RN 138261-41-3 REGISTRY

CN 2-Imidazolidinimine, 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine

CN Admire

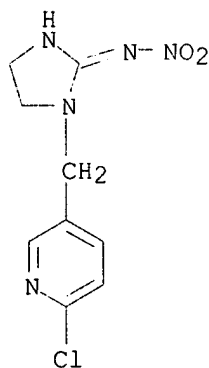
CN Advantage Flea Adulticide

CN BAY-NTN 33893

CN Confidor

CN Confidor 200SL

CN Confidor SL
 CN CP 1
 CN Gaucho
 CN Imidacloprid
 CN Merit
 CN Merit (insecticide)
 CN NTN 33893
 CN NTN 33893-240FS
 CN Provado
 AR 105827-78-9
 MF C9 H10 Cl N5 O2
 CI COM
 SR CAS Registry Services
 LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CAPLUS,
 CASREACT, CEN, CHEMCATS, CHEMLIST, CIN, EMBASE, MEDLINE, NIOSHTIC,
 PROMT, RTECS*, TOXCENTER, ULIDAT, USPAT2, USPATFULL, VETU
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

971 REFERENCES IN FILE CA (1967 TO DATE)
 56 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 971 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:381733
 REFERENCE 2: 136:381730
 REFERENCE 3: 136:365275
 REFERENCE 4: 136:365273
 REFERENCE 5: 136:351654
 REFERENCE 6: 136:351652
 REFERENCE 7: 136:351633
 REFERENCE 8: 136:336630
 REFERENCE 9: 136:336629

REFERENCE 10: 136:336626

L8 ANSWER 12 OF 12 REGISTRY COPYRIGHT 2002 ACS

RN 107534-96-3 REGISTRY

CN 1H-1,2,4-Triazole-1-ethanol, .alpha.-[2-(4-chlorophenyl)ethyl]-.alpha.-
(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-1,2,4-Triazole-1-ethanol, .alpha.-[2-(4-chlorophenyl)ethyl]-.alpha.-
(1,1-dimethylethyl)-, (.+-.)-

OTHER NAMES:

CN BAY-HWG 1608

CN Ethyltrianol

CN Etiltrianol

CN Fenetrazole

CN Folicur

CN HWG 1608

CN Preventol A 8

CN Raxil

CN Tebuconazole

CN Terbutrazole

DR 123066-82-0, 80443-41-0

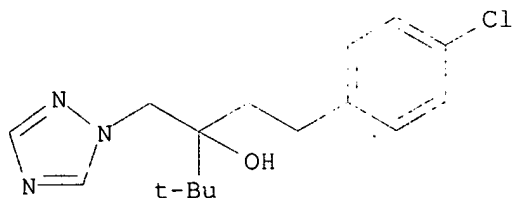
MF C16 H22 Cl N3 O

CI COM

SR CA

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CABA,
CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, DDFU,
DRUGU, MEDLINE, MRCK*, NIOSHTIC, PIRA, PROMT, RTECS*, SPECINFO,
TOXCENTER, ULIDAT, USPAT2, USPATFULL

(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

619 REFERENCES IN FILE CA (1967 TO DATE)

55 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

621 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:371284

REFERENCE 2: 136:368642

REFERENCE 3: 136:351654

REFERENCE 4: 136:351622

REFERENCE 5: 136:344672

Robinson 09 / 886197

REFERENCE 6: 136:344591

REFERENCE 7: 136:324325

REFERENCE 8: 136:320817

REFERENCE 9: 136:320810

REFERENCE 10: 136:320790